

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-14. (Cancelled)

15. (New) A device for impact detection comprising:
at least one piezo cable.

16. (New) The device according to claim 15, wherein the piezo cable is configured such that the device detects a capacitance change by an impact object with the aid of the piezo cable.

17. (New) The device according to claim 16, wherein the piezo cable includes a first shield as an electrode for detecting the capacitance change.

18. (New) The device according to claim 17, wherein the first shield has one of a cylindrical and semicylindrical design.

19. (New) The device according to claim 15, wherein the piezo cable is configured such that an impact causes a piezoelectric pulse.

20. (New) The device according to claim 19, wherein the device achieves a spatial resolution of an impact by means of a delay-time measurement.

21. (New) The device according to claim 20, wherein the piezoelectric pulse is evaluated directly, on the one hand, and is conveyed to an evaluation circuit via a delay line, on the other hand, so as to ascertain a delay time difference therefrom.

22. (New) The device according to claim 21, wherein the piezo cable includes a second shield provided as a delay line, which is configured as a wound wire.

23. (New) The device according to claim 15, wherein the piezo cable is configured such that it undergoes a longitudinal change in an impact, which causes a resistance change.

24 (New) The device according to claim 23, wherein a signal characterizing the resistance change is converted to a higher frequency for evaluation.

25. (New) The device according to claim 22, wherein the second shield is configured to be inductive, to characterize an impact object with respect to its conductivity.

26. (New) The device according to claim 15, wherein the piezo cable is situated in a trim of a bumper.

27. (New) The device according to claim 26, wherein the piezo cable is injected into the trim.

28. (New) The device according to claim 26, wherein the piezo cable is clamped into the trim.